

Application No.  
Amendment Dated  
Reply to Office Action of

10/531,844  
October 2, 2006  
April 7, 2006

- 1/2 -



Ecoli ---MADYQGKNVVIIGLGLTGLSCVDFFLARGVTPRVMDTRMTTP---GLDKLPEAVERH  
Efaecalis MKKITTYQNKKVLVLGLAKSGVSAAKLLHELGA LVTVNDKQFDQNPDAQDLLTLGIRVV  
Paeruginosa --MSLIASDHFRIVVGLGKSGMSLVRYLARRGLPFAVVD TRENPP ELATLRAQYPQVEVR  
Saureus MLNYTGLENKNVLVVGLAKSGYEAAKLLSKLGANVTVNDGKDLSQDAHAKDLESMGISVV  
\* . . . \* . \* \* .

Ecoli TGSLNDEWLMAA-DLIVASPGIALAHPSLSAAADAGIEIVGDIELFCREAPIVAITGS  
Efaecalis TGGHPIELLDEEFELIVKNPGILYTNPLVAEALTRKIPITEVELAGQIAECPIVGITGT  
Paeruginosa CGELDAEFLCSA-RELYVSPGLSLRTPALVQAAAGVRISGDIDLFAREAKAPIVAITGS  
Saureus SGSHPLTLLDNN-PIIVKNPGIPYTVSIIIDEAVKRGLKILTEVELSYLISEAPIIAVTGT  
. \* . \* . \* . \* . \* . \* . \* . \* .

Ecoli NGKSTVTTLVGEMAKAAGVNV--GVGGNIGLPA--LMLLDDECELYVLELSSFQLETTSS  
Efaecalis NGKTTTTTIGLLLNADRTAGEARLAGNIGFPASTVAQEATAKDDLVMELSSFQLMGIET  
Paeruginosa NAKSTVTTLVGEMAVAADKRV--AVGGNLGTPA--LDLLADDIELYVLELSSFQLETCDR  
Saureus NGKTTVTSLIGDMFKKSRLTG--RLSGNIGYVASKVAQEVKPTDYLVTLELSSFQLLGIEK  
\* \* . \* . \* . \* . \* . \* . \* . \* .

Ecoli LQAVAATILNVTEDHMDRYPFGLQQYRAAKLRIYENAKVCVVNADDALTMPIRG-ADERC  
Efaecalis FHPQIAVITNIFEALDYH-GSRKEYVAAKWAIQKNMTAEDTLILNWNQVELQTLAKTTA  
Paeruginosa LNAEVATVLNVSEDHMDRY-DGMADYHLAKHRIFRGARQVVVN RADALTRPLIA-DTVPC  
Saureus YKPHIAIITNIYSAHLDYH-ENLENYQNAKKQIYKNQTEEDYLICNYHQ RQVIE-SEELK  
\* . \* . \* . \* . \* . \* .

Ecoli VSFGVN---MGDYHLNHQQGETWLRVKGEKVLNVKEMKLSGQHNYTNALAALALADAAGL  
Efaecalis ANVLPFSTKEAVEGAYLLDG--KLYFNEEYIMPADELGIPGSHNIENALAAICVPKLKNV  
Paeruginosa WSFGLNKPDKAFGLIEEDGQKWLAFQFDKLLPVGELKIRGAHNYSNALAALALGHAVGL  
Saureus AKTLYFSTQQEVDGIYIKDG--FIVYKGVRIINTEDLVLPGEHNLENILA AVLACILAGV  
\* . . . \* . \* . \* . \* .

Ecoli PRASSLKALTTFTGLPHRFEVVLEHNGVRWINDSKATNVGSTEALN--GLHVDGTLHLL  
Efaecalis SNAQIKQSLTNFSGVPHRTQFVGEVQQR RFYND SKATN FLATEMALS--GFDNQKLLLLA  
Paeruginosa PFDAMLGALKAFSGLAHRCQWVRERQGVSYDDSKATNVGAALAAIEGLGADIDGKLVLL  
Saureus PIKAIIDSLTTFSGIEHRLQYVGTRNRTNKYYNDSKATNTLATQFALN--SFN-QPIIWLC  
. \* \* . \* . \* . \* . \* . \* .

Ecoli LGGDGKSADFSPLARYLNGDNVRLYCFGRDGAQLAALR--PEVAEQT--ETMEQAMRLLA  
Efaecalis GGLD-RGNSFDELVPALLG-LKAI VLFGETKKKLAEAAKKN IETILFAENVQTAVTIAF  
Paeruginosa AGGDGKGADFHDLPVARFCRAVLLGRDAGLIAQAL--GNAVPLVRVATLDEAVRQAA  
Saureus GGLD-RGNEFDELIPYMEN-VRAMVVFQTKAKFAKL GNS-QGKS VIEANNVEDAVDKVQ  
\* \* . \* . \* . \* . \* .

(Figure 8)

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Ecoli	PRVQPGDMVLLSPACASLDQFKNFEQRGNEFARLAKELG----	(SEQ ID NO:1)
Efaecalis	DYSEKDDTILLSPACASWDQYPNFEVRGEAFMQAVQQLKESEM	(SEQ ID NO:2)
Paeruginosa	ELAREGDAVLLSPACASLDMFKNFEERGRLFAKAVEELA----	(SEQ ID NO:3)
Saureus	DIIEPNDVVLLSPACASWDQYSTFEERGEKFIERFRAHLPSY-	(SEQ ID NO:4)

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(Figure 8)